

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-9 (Cancelled)

10. (New) A silicone composition crosslinkable into an adhesive gel by hydrosilylation, comprising:

(A) at least one polyorganosiloxane POS (I) containing:

a) endgroup siloxyl units of type $M = (R)_2(H)SiO_{1/2}$ in which the R radicals, which may be identical or different, are each an optionally substituted linear or branched C₁-C₆ alkyl radical and/or a substituted or unsubstituted aryl radical, and
b) identical or different siloxyl units of type $D = (R^1)_p(H)_qSiO_{2/2}$ in which the R¹ radicals have the same definition as R and p = 1 or 2, q = 0 or 1 and p + q = 2;

with the proviso that the polyorganosiloxane POS (I) comprises at least two SiH radicals per molecule;

(B) at least one polyorganosiloxane POS (II) containing:

a) endgroup siloxyl units of type $M = (X)_s(R^2)_tSiO_{1/2}$ in which the R² radicals have the same definition as R, the X radicals are alkenyl radicals having from 2 to 6 carbon atoms, s = 0 or 1, t = 2 or 3 and s + t = 3; and

b) identical or different siloxyl units of type D = $(X)_u(R^3)_vSiO_{2/2}$ in which the R³ radicals have the same definition as R, the X radicals are alkenyl radicals having from 2 to 6 carbon atoms, u = 0 or 1, v = 1 or 2 and u + v = 2, with the proviso that the polyorganosiloxane POS (II) comprises at least two X radicals per molecule;

(C) at least one monofunctional polyorganosiloxane POS (III) which is essentially linear, having less than 2 mol% of siloxyl unit T = RSiO_{3/2}, and which comprises, per molecule, one alkenyl radical (X) having from 2 to 6 carbon atoms directly bonded to a silicon atom, the said POS (III) containing:

a) identical or different endgroup siloxyl units of type M = $(X)_w(R^4)_xSiO_{1/2}$ in which the R⁴ radicals have the same definition as R, w = 0 or 1, x = 2 or 3 and w + x = 3; and

b) at least one siloxyl unit D = $(X)_y(R^5)_zSiO_{2/2}$ in which the R⁵ radicals have the same definition as R, y = 0 or 1, z = 1 or 2 and y + z = 2,

(D) an effective amount of at least one hydrosilylation reaction catalyst; and

(E) optionally, at least one nonfunctionalized polyorganosiloxane POS (IV) containing:

a) endgroup siloxyl units of type M = $(R^6)_3SiO_{1/2}$ in which the R⁶ radicals have the same definition as R, and

b) identical or different siloxyl units of type D = $(R^7)_2SiO_{2/2}$ in which the R⁷ radicals have the same definition as R;

with the proviso that the amount of the constituents (A), (B), (C) and (E) is such that the molar ratio r of the hydrogen atoms bonded to silicon to the alkenyl radicals (X) bonded to silicon ranges from 0.2:1 to 5:1.

11. (New) The silicone composition crosslinkable into an adhesive gel by hydrosilylation as defined by Claim 10, in which the molar ratio r ranges from 0.5:1 to 1.5:1.

12. (New) The silicone composition crosslinkable into an adhesive gel by hydrosilylation as defined by Claim 10, in which the molar ratio r is 1:1.

13. (New) The silicone composition crosslinkable into an adhesive gel by hydrosilylation as defined by Claim 10, in which the R^1 , R^2 , R^3 , R^4 , R^5 , R^6 , R^7 and R^8 radicals are methyl radicals.

14. (New) The silicone composition crosslinkable into an adhesive gel by hydrosilylation as defined by Claim 10, in which the hydrosilylation reaction catalyst is based on platinum.

15. (New) The silicone composition crosslinkable into an adhesive gel by hydrosilylation as defined by Claim 10, in which:

the POS (I) is substantially linear and has a dynamic viscosity of less than or equal to 10,000 mPa·s;

the POS (II) is substantially linear and has a dynamic viscosity of less than or equal to 200,000 mPa•s;

the POS (III) has a dynamic viscosity of less than or equal to 150,000 mPa•s;
and/or

the POS (IV) is present and is substantially linear and has a dynamic viscosity of less than or equal to 50,000 mPa•s.

16. (New) A system with at least two components (A₁) and (B₁) comprising the constituents (A), (B), (C) and (D) and optionally the constituent (E) of the silicone composition crosslinkable into an adhesive gel by hydrosilylation as defined by Claim 10, with the condition that the hydrosilylation reaction catalyst (D) is separate from the constituent (B).

17. (New) A crosslinked adhesive gel obtained by crosslinking the silicone composition as defined by Claim 10.

18. (New) A crosslinked adhesive gel obtained by crosslinking the system as defined by Claim 16.

19. (New) An adhesive, coating, leaktight mastic, encapsulated electronic device, implant, prosthesis, impact-cushioning element, cement or dressing comprising the crosslinked adhesive gel as defined by Claim 17.

20. (New) An adhesive, coating, leaktight mastic, encapsulated electronic device, implant, prosthesis, impact-cushioning element, cement or dressing comprising the crosslinked adhesive gel as defined by Claim 18.

21. (New) The silicone composition crosslinkable into an adhesive gel by hydrosilylation as defined by Claim 10, wherein POS (II) and POS (III), the radicals X are vinyl radicals.

22. (New) The silicone composition crosslinkable into an adhesive gel by hydrosilylation as defined by Claim 10, said POS (III) having less than 1.5 mol% of siloxyl unit T = $\text{RSiO}_{3/2}$.

23. (New) The silicone composition crosslinkable into an adhesive gel by hydrosilylation as defined by Claim 10, said POS (III) having less than 1 mol% of siloxyl unit T = $\text{RSiO}_{3/2}$.

24. (New) The silicone composition crosslinkable into an adhesive gel by hydrosilylation as defined by Claim 15, said POS (I) having a dynamic viscosity of less than or equal to 6,000 mPa·s, said POS (II) having a dynamic viscosity of less than or equal to 170,000 mPa·s, said POS (III) having a dynamic viscosity ranging from 20 to 100,000 mPa·s and/or said POS (IV) having a dynamic viscosity ranging from 20 to 40,000 mPa·s.

25. (New) The silicone composition crosslinkable into an adhesive gel by hydrosilylation as defined by Claim 23, said POS (I) having a dynamic viscosity ranging from 5 to 5,000 mPa•s and said POS (II) having a dynamic viscosity ranging from 20 to 165,000 mPa•s.